

Amendments to the Claims

Kindly amend claims 7, 9-12, 22, 24, 29, 31-34, 44, 46, 48, 49, 54, 56-59, 69 & 71 and cancel claims 1, 4-6, 8, 13-21, 25-28, 30, 35-43, 47, 50-53, 55 & 60-68 (without prejudice) as set forth below. In accordance with the revised amendment practice, changes in the amended claims are shown by underlining (for added matter) and strikethrough (for deleted matter).

1. Canceled.

2. Canceled.

3. Canceled.

B/ 4. Canceled.

5. Canceled.

6. Canceled.

7. (Currently Amended) The method of claim ~~6~~ 22, wherein said event comprises a joining of said operating system instance to said cluster.

8. Canceled.

9. (Currently Amended) The method of claim ~~8~~ 22, wherein said performing an action comprises allowing the event to proceed, in response to the unique identifier, the local unique identifier and the global unique identifier being consistent.

10. (Currently Amended) The method of claim ~~8~~ 22, wherein said performing an action comprises updating the local unique identifier to reflect that the operating system

instance has been deleted from the cluster, in response to the unique identifier being equal to the local unique identifier, and the local unique identifier being unequal to the global unique identifier.

11. (Currently Amended) The method of claim 8 22, wherein said performing an action comprises updating the local unique identifier and the global unique identifier, in response to the unique identifier being unequal to the local unique identifier, and the local identifier being equal to the global unique identifier.

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12. (Currently Amended) The method of claim 8 22, wherein said performing an action comprises updating the local unique identifier to reflect that the operating system instance has been deleted from the cluster, in response to the unique identifier being unequal to the local unique identifier, and the local unique identifier being unequal to the global unique identifier.

13. Canceled.

14. Canceled.

15. Canceled.

16. Canceled.

17. Canceled.

18. Canceled.

19. Canceled.

20. Canceled.

21. Canceled.

22. (Currently Amended) A method of managing identifiers of components of a distributed computing environment, said method comprising:

providing, by an operating system instance of said distributed computing environment, a unique identifier of a component of the distributed computing environment to a cluster of the distributed computing environment;

storing, by the cluster, the unique identifier in local storage and global storage, providing a local unique identifier and a global unique identifier;

providing a regenerated copy of the unique identifier in response to a cluster event;

determining, in response to the a cluster event, whether the regenerated unique identifier, local unique identifier and global unique identifier identifiers are in agreement; and

performing an action in response to the determining indicating one or more of the regenerated unique identifier, local unique identifier and global unique identifier identifiers are not in agreement.

23. (Previously Presented) The method of claim 22, wherein said cluster event comprises a join of the operating system instance to the cluster.

24. (Currently Amended) A method of managing identifiers of components of a distributed computing environment, said method comprising:

identifying a component of the distributed computing environment by a unique identifier, and a local copy of the unique identifier and a global copy of the

unique identifier; ~~and~~

regenerating the unique identifier in response to a cluster event; and

automatically updating, by a cluster of the distributed computing environment, one or more of the regenerated unique identifier, the local unique identifier copy and the global unique identifier copy, to provide consistency among the regenerated unique identifier, the local unique identifier copy and the global unique identifier copy, in response to a the cluster event.

25. Canceled.

26. Canceled.

27. Canceled.

28. Canceled.

29. (Currently Amended) The system of claim ~~28~~ 44, wherein said event comprises a joining of said operating system instance to said cluster.

30. Canceled.

31. (Currently Amended) The system of claim ~~30~~ 44, wherein said means for performing an action comprises means for allowing the event to proceed, in response to the unique identifier, the local unique identifier and the global unique identifier being consistent.

32. (Currently Amended) The system of claim ~~30~~ 44, wherein said means for performing an action comprises means for updating the local unique identifier to reflect that the operating system instance has been deleted from the cluster, in response to the unique identifier being equal to the local unique identifier, and the local unique identifier being

unequal to the global unique identifier.

33. (Currently Amended) The system of claim ~~30~~ 44, wherein said means for performing an action comprises means for updating the local unique identifier and the global unique identifier, in response to the unique identifier being unequal to the local unique identifier, and the local unique identifier being equal to the global unique identifier.

34. (Currently Amended) The system of claim ~~30~~ 44, wherein said means for performing an action comprises means for updating the local unique identifier to reflect that the operating system instance has been deleted from the cluster, in response to the unique identifier being unequal to the local unique identifier, and the local unique identifier being unequal to the global unique identifier.

B'

35. Canceled.

36. Canceled.

37. Canceled.

38. Canceled.

39. Canceled.

40. Canceled.

41. Canceled.

42. Canceled.

43. Canceled.

44. (Currently Amended) A system of managing identifiers of components of a distributed computing environment, said system comprising:

means for providing, by an operating system instance of said distributed computing environment, a unique identifier of a component of the distributed computing environment to a cluster of the distributed computing environment;

means for storing, by the cluster, the unique identifier in local storage and global storage, providing a local unique identifier and a global unique identifier;

means for providing a regenerated unique identifier in response to a cluster event;

means for determining, in response to the a cluster event, whether the regenerated unique identifier, local unique identifier and global unique identifier ~~identifiers~~ are in agreement; and

means for performing an action in response to the determining indicating one or more of the regenerated unique identifier, local unique identifier and global unique identifier ~~identifiers~~ are not in agreement.

45. (Previously Presented) The system of claim 44, wherein said cluster event comprises a join of the operating system instance to the cluster.

46. (Currently Amended) A system of managing identifiers of components of a distributed computing environment, said system comprising:

means for identifying a component of the distributed computing environment by a unique identifier, a local copy of the unique identifier and a global copy of the unique identifier; and

means for regenerating the unique identifier in response to a cluster event; and

means for automatically updating, by a cluster of the distributed computing environment, one or more of the regenerated unique identifier, the local unique identifier copy and the global unique identifier copy, to provide consistency among the unique identifier, the local unique identifier copy and the global unique identifier copy, in response to a the cluster event.

47. Canceled.

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48. (Currently Amended) A system of managing identifiers of components of a distributed computing environment, said system comprising:

an operating system instance of said distributed computing environment to provide a unique identifier of a component of the distributed computing environment to a cluster of the distributed computing environment;

local storage and global storage of the distributed computing environment to store the unique identifier, providing a local unique identifier and a global unique identifier;

a distributed configuration manager of the cluster to provide a regenerated unique identifier in response to a cluster event, and to determine, in response to the a cluster event, whether the regenerated unique, local unique and global unique identifiers are in agreement, and to perform an action in response to the determining indicating one or more of the identifiers are not in agreement.

49. (Currently Amended) A system of managing identifiers of components of a distributed computing environment, said system comprising:

a component of the distributed computing environment identified by a unique

identifier, a local copy of the unique identifier and a global copy of the unique identifier; ~~and~~

means for regenerating the unique identifier in response to a cluster event; and

a cluster of the distributed computing environment to automatically update one or more of the regenerated unique identifier, the local unique identifier copy and the global unique identifier copy, to provide consistency among the unique identifier, the local unique identifier copy and the global unique identifier copy, in response to a the cluster event.

50. Canceled.

51. Canceled.

52. Canceled.

53. Canceled.

54. (Currently Amended) The at least one program storage device of claim ~~53~~ 69, wherein said event comprises a joining of said operating system instance to said cluster.

55. Canceled.

56. (Currently Amended) The at least one program storage device of claim ~~55~~ 69, wherein said performing an action comprises allowing the event to proceed, in response to the unique identifier, the local unique identifier and the global unique identifier being consistent.

57. (Currently Amended) The at least one program storage device of claim ~~55~~ 69, wherein said performing an action comprises updating the local unique identifier to reflect

that the operating system instance has been deleted from the cluster, in response to the unique identifier being equal to the local unique identifier, and the local unique identifier being unequal to the global unique identifier.

58. (Currently Amended) The at least one program storage device of claim ~~55~~ 69, wherein said performing an action comprises updating the local unique identifier and the global unique identifier, in response to the unique identifier being unequal to the local unique identifier, and the local unique identifier being equal to the global unique identifier.

B' 59. (Currently Amended) The at least one program storage device of claim ~~55~~ 69, wherein said performing an action comprises updating the local unique identifier to reflect that the operating system instance has been deleted from the cluster, in response to the unique identifier being unequal to the local unique identifier, and the local unique identifier being unequal to the global unique identifier.

60. Canceled.

61. Canceled.

62. Canceled.

63. Canceled.

64. Canceled.

65. Canceled.

66. Canceled.

67. Canceled.

68. Canceled.

69. (Currently Amended) At least one program storage device readable by a machine tangibly embodying at least one program of instructions executable by the machine to perform a method of managing identifiers of components of a distributed computing environment, said method comprising:

providing, by an operating system instance of said distributed computing environment, a unique identifier of a component of the distributed computing environment to a cluster of the distributed computing environment;

storing, by the cluster, the unique identifier in local storage and global storage, providing a local unique identifier and a global unique identifier;

providing a regenerated unique identifier in response to a cluster event;

determining, in response to the a cluster event, whether the regenerated unique, local unique and global unique identifiers are in agreement; and

performing an action in response to the determining indicating one or more of the identifiers are not in agreement.

70. (Previously Presented) The at least one program storage device of claim 69, wherein said cluster event comprises a join of the operating system instance to the cluster.

71. (Currently Amended) At least one program storage device readable by a machine tangibly embodying at least one program of instructions executable by the machine to perform a method of managing identifiers of components of a distributed computing environment, said method comprising:

identifying a component of the distributed computing environment by a

unique identifier, and a local copy of the unique identifier and a global copy of the unique identifier; and

regenerating the unique identifier in response to a cluster event; and

B' automatically updating, by a cluster of the distributed computing environment, one or more of the regenerated unique identifier, the local unique identifier copy and the global unique identifier copy, to provide consistency among the unique identifier, the local unique identifier copy and the global unique identifier copy, in response to a the cluster event.
